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December 10, 2002

Patrice Uchno Leland

Patrice L. Uchno Leland

#31a
02/12/02

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Serial No. 09/921,438
(Attorney Docket No. GP-301110)

Filed August 3, 2001

Timothy L. Minich
Davis S. Mathews

Group 2855

ENCODED CRANK POSITION SENSOR

Examiner Monica D. Harrison
(Fax No. 703-872-9318) **FAX RECEIVED**

AMENDMENT IN RESPONSE TO PAPER NO. 4

DEC 10 2002

TECHNOLOGY CENTER 2800

Commissioner for Patents
Washington DC 20231

In response to the Office Action mailed October 2, 2002, please amend the
above-identified application as follows:

IN THE CLAIMS:

Amend Claims 5 and 17 as follows:

Q1 5. (Amended) The target wheel of Claim 1 wherein at least six of said teeth create a
pulse combination indicating the position of said target wheel.

Q2 17. (Amended) The internal combustion engine of Claim 16 wherein at least six of
said fifty-eight teeth form a combination indicating the position of said target wheel, whereby
engine synchronization may be determined from said at least six teeth.